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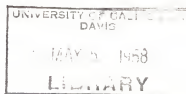


Division of Agricultural Sciences
UNIVERSITY OF CALIFORNIA

CALIFORNIA ASPARAGUS . . .

Economic Statistics for the 1958 Canning Season

Sidney Hoos and Beatrice Bain



**CALIFORNIA AGRICULTURAL EXPERIMENT STATION
GIANNINI FOUNDATION OF AGRICULTURAL ECONOMICS**

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CALIFORNIA ASPARAGUS--
ECONOMIC STATISTICS FOR THE 1958 CANNING SEASON

by

Sidney Hoos^{1/} and Beatrice Bain^{2/}

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CONFIDENTIAL - SECURITY INFORMATION

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TABLE 1

Statistics on General Business Conditions--Income and Prices

Year	Consumer demand factors				Manufacturing and trade inventories ^{b/}	United States prices		
	Personal income	Disposable personal income	Personal consumption expenditures	Retail stores estimated sales total ^{a/}		Consumer price index	Wholesale price index	United States farm price index
	annual	rate in billion dollars		billion dollars		1947-1949 = 100		1910-1914 = 100
1939	72.9	70.4	67.6			59.4	50.1	95
1940	78.7	76.1	71.9			59.9	51.1	100
1941	96.3	93.0	81.9			62.9	56.8	124
1942	123.5	117.5	89.7			69.7	64.2	159
1943	151.4	133.5	100.5			74.0	67.0	193 ^{c/}
1944	165.7	146.8	109.8			75.2	67.6	197 ^{c/}
1945	171.2	150.4	121.7			76.9	68.8	207 ^{c/}
1946	178.0	159.2	146.6			83.4	78.7	236 ^{c/}
1947	190.5	169.0	165.0			95.5	96.4	276
1948	208.7	187.6	177.6			102.8	104.4	287
1949	206.8	188.2	180.6			101.8	99.2	250
1950	227.0	206.1	194.0			102.8	103.1	258
1951	255.3	226.1	208.3	13.0 ^{d/}	73.8 ^{d/}	111.0	114.8	302
1952	271.8	237.4	218.3	13.5	75.4	113.5	111.6	288
1953	286.0	250.2	230.5	14.1	78.6	114.4	110.1	258
1954	287.4	254.2	236.6	14.1	75.5	114.8	110.3	249
1955	305.9	270.2	254.4	15.3	81.7	114.5	110.7	236
1956	326.9	287.2	267.2	15.8	89.1	116.2	114.3	235
1957	343.4	300.6	280.4	16.7	90.7	120.2	117.6	242

(Continued on next page.)

Table 1 continued.

Month	Consumer demand factors				Manufacturing and trade inventories ^{b/} dollars	United States prices		
	Personal income	Disposable personal income	Personal consumption expenditures	Retail stores estimated sales total		Consumer price index	Wholesale price index	United States farm price index
	annual	rate in billion dollars		billion dollars		1947-1949 = 100	1910-1914 = 100	
	seasonally adjusted							midmonth
	by quarter							
<u>1957</u>								
January	336.3			16.3	89.3	118.2	116.9	238
February	338.5			16.4	89.6	118.7	117.0	234
March	340.2	296.1	276.7	16.3	89.9	118.9	116.9	238
April	341.1			16.4	90.1	119.3	117.2	242
May	343.2			16.6	90.6	119.6	117.1	243
June	345.1	300.4	278.9	16.8	90.7	120.2	117.4	244
July	346.3			17.0	91.0	120.8	118.2	247
August	347.3			17.0	91.3	121.0	118.4	248
September	347.2	303.3	283.6	16.9	91.3	121.1	118.0	245
October	346.8			16.7	91.1	121.1	117.8	240
November	346.2			16.6	91.0	121.6	118.1	242
December	343.6	302.1	282.4	16.9	90.7	121.6	118.5	242
<u>1958e/</u>								
January	343.6			16.7	90.0	122.6	118.8	247
February	341.8			16.2			118.9	252
Week ending:								
March 4							119.4	
March 11							119.6	

(Continued on next page.)

Table 1 continued.

a/ Monthly average for year and total for month, seasonally adjusted.

b/ Book value end of period, seasonally adjusted.

c/ Includes certain wartime subsidies, October, 1943-June, 1946.

d/ New series started with 1951 using direct estimate of retail store sales from blown-up sample data and revision of manufacturing and trade sales and inventories. Since the figures are not comparable, data cannot be carried back before 1951.

e/ Preliminary estimate.

Sources:

1939-1956--U. S. Congress, Joint Economic Committee, 1957 Historical and Descriptive Supplement to Economic Indicators (Washington: Govt. Print. Off., 1957), 74p. (85th Cong., 1st. sess., prepared by the Committee Staff and Office of Statistical Standards, Bureau of Budget.)

1957 and months--U. S. Congress, Joint Economic Committee, Economic Indicators (Washington: Govt. Print. Off., February, 1958), 32p. (85th Cong., 2nd sess., prepared by the Council of Economic Advisers.) See also, U. S. Congress, Joint Economic Committee, Economic Indicators (Washington: Govt. Print. Off., March, 1958), 32p. (85th Cong., 2nd sess., prepared by the Council of Economic Advisers.)

For further explanation of various revisions of data, see articles in U. S. Congress, Joint Economic Committee, 1957 Historical and Descriptive Supplement to Economic Indicators (Washington: Govt. Print. Off., 1957), 74p. (85th Cong., 1st. sess., prepared by the Committee Staff and Office of Statistical Standards, Bureau of Budget.)

1. The first part of the paper is devoted to the question of the possibility of the existence of a system of functions which is not separable in the sense of the definition given in the introduction. It is shown that such a system exists and that it is not separable in the sense of the definition given in the introduction.

2. The second part of the paper is devoted to the question of the possibility of the existence of a system of functions which is not separable in the sense of the definition given in the introduction. It is shown that such a system exists and that it is not separable in the sense of the definition given in the introduction.

3. The third part of the paper is devoted to the question of the possibility of the existence of a system of functions which is not separable in the sense of the definition given in the introduction. It is shown that such a system exists and that it is not separable in the sense of the definition given in the introduction.

References:

1. Introduction

2. The first part

3. The second part

4. The third part

5. The fourth part

6. The fifth part

7. The sixth part

8. The seventh part

TABLE 2
Statistics on General Business Conditions--Production and Employment

Year	Employment, nonagri- cultural	Production ^{a/}					Expenditures for new plant and equipment, total ^{b/}
		Total industrial production	Manufactures			Consumer durable goods	
			Total	Durable	Nondurable		
	1	2	3	4	5	6	7
	millions	1947-1949 = 100					billion dollars
1939	30.3	58	57	49	66		5.51
1940	32.1	67	66	63	69		
1941	36.2	87	88	91	84		
1942	39.8	106	110	126	93		
1943	42.1	127	133	162	103		
1944	41.5	125	130	159	99		
1945	40.0	107	110	123	96		8.69 ^{d/}
1946	41.3	90	90	86	95		14.65
1947	43.5	100	100	101	99	98 ^{d/}	20.61
1948	44.4	104	103	104	102	102	22.06
1949	43.1	97	97	95	99	101	19.28
1950	44.7	112	113	116	111	133	20.60
1951	47.3	120	121	128	114	114	25.64
1952	48.3	124	125	136	114	105	26.49
1953	49.7	134	136	153	118	127	28.32
1954	48.4	125	127	137	116	116	26.83
1955	50.1	139	140	155	126	147	28.70
1956	51.9	143	144	159	129	131	35.08
1957	52.5	143	145	159	130	130	36.96

(Continued on next page.)

Station	Date	Temperature (°C)		Humidity (%)		Wind Speed (km/h)		Remarks
		Max	Min	Max	Min	Max	Min	
1001	2002	10.3	8.5	75	65	15	10	Clear
1002	2003	11.5	9.0	78	68	18	12	Partly Cloudy
1003	2004	12.0	9.5	80	70	20	15	Cloudy
1004	2005	13.0	10.0	82	72	22	18	Heavy Rain
1005	2006	14.0	11.0	85	75	25	20	Thunderstorm
1006	2007	15.0	12.0	88	78	28	25	Clear
1007	2008	16.0	13.0	90	80	30	28	Partly Cloudy
1008	2009	17.0	14.0	92	82	32	30	Cloudy
1009	2010	18.0	15.0	95	85	35	32	Heavy Rain
1010	2011	19.0	16.0	98	88	38	35	Thunderstorm
1011	2012	20.0	17.0	100	90	40	38	Clear
1012	2013	21.0	18.0	100	92	42	40	Partly Cloudy
1013	2014	22.0	19.0	100	95	45	42	Cloudy
1014	2015	23.0	20.0	100	98	48	45	Heavy Rain
1015	2016	24.0	21.0	100	100	50	48	Thunderstorm
1016	2017	25.0	22.0	100	100	52	50	Clear
1017	2018	26.0	23.0	100	100	55	52	Partly Cloudy
1018	2019	27.0	24.0	100	100	58	55	Cloudy
1019	2020	28.0	25.0	100	100	60	58	Heavy Rain
1020	2021	29.0	26.0	100	100	62	60	Thunderstorm

Table 1. (continued)

Table 2 continued.

Month	Employment, nonagri- cultural	Total industrial production	Production ^{a/} Manufactures			Consumer durable goods	Expenditures for new plant and equipment, total ^{b/}
			Total	Durable	Nondurable		
1	2	3	4	5	6	7	
millions	1947-1949 = 100					billion dollars	
seasonally adjusted						seasonally adjusted annual rate	
1957							
January	52.5	145	147	163	130	137	
February	52.6	146	147	164	131	138	
March	52.5	145	147	163	131	134	
April	52.6	144	145	160	130	124	
May	52.7	144	145	160	131	124	
June	52.8	145	147	163	131	129	
July	52.8	145	147	162	131	129	
August	52.8	145	147	163	132	133	
September	52.7	144	146	160	131	129	
October	52.5	142	143	156	130	121	
November	52.2	139	141	154	128	132	
December	51.9	135	137	146	127	124	
1958 ^{e/}							
January	51.8	133	134	143	126	117	
February	51.2	130	131	137	125	111	
						First quarter, 1958	
						34.05	
						Second quarter, 1958	
						32.55	
						Total, 1958	
						32.07	

(Continued on next page.)

Table 2 continued.

a/ Seasonally adjusted.

b/ Excludes agriculture.

c/ No data available for 1940-1944.

d/ No data available before 1947.

e/ Preliminary estimates.

Sources:

Col. 1: Based on Department of Labor estimates, adjusted.

Cols. 2-7: 1939-1956--U. S. Congress, Joint Economic Committee, 1957 Historical and Descriptive Supplement to Economic Indicators (Washington: Govt. Print. Off., 1957), 74p. (85th Cong., 1st. sess., prepared by the Committee Staff and Office of Statistical Standards, Bureau of Budget.)

1957 and months--U. S. Congress, Joint Economic Committee, Economic Indicators (Washington: Govt. Print. Off., February, 1958), 32p. (85th Cong., 2nd. sess., prepared by the Council of Economic Advisers.) See also, U. S. Congress, Joint Economic Committee, Economic Indicators (Washington: Govt. Print. Off., March, 1958), 32p. (85th Cong., 2nd. sess., prepared by the Council of Economic Advisers.)

Col. 7: First quarter, second quarter, and total are estimates based on anticipated capital expenditures as reported by business from late January to early March, 1958, as quoted in U. S. Congress, Joint Economic Committee, Economic Indicators (Washington: Govt. Print. Off., March, 1958), 32p. (85th Cong., 2nd. sess., prepared by the Council of Economic Advisers.)

For further explanation of various revisions of data, see articles in U. S. Congress, Joint Economic Committee, 1957 Historical and Descriptive Supplement to Economic Indicators (Washington: Govt. Print. Off., 1957), 74p. (85th Cong., 1st. sess., prepared by the Committee Staff and Office of Statistical Standards, Bureau of Budget.)

1981: The first time I saw him, I was in a car. I was driving to work and I saw him in the distance. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast.

1982: I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast.

1983: I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast.

1984: I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast. I was driving on a road that was very busy and I was driving very fast.

1985:

- 1. I was driving on a road that was very busy and I was driving very fast.
- 2. I was driving on a road that was very busy and I was driving very fast.
- 3. I was driving on a road that was very busy and I was driving very fast.
- 4. I was driving on a road that was very busy and I was driving very fast.
- 5. I was driving on a road that was very busy and I was driving very fast.

1986: I was driving on a road that was very busy and I was driving very fast.

TABLE 3
Statistics on Groceries' Industry Conditions

Year	Sales		Inventories		Food price indexes		Food and kindred products-- employment and wages	
	Retail food store, all types	Manufacturer food and beverage	Retail food store, all sizes	Manufacturer food and beverage			Manufacturer monthly average employment	Average hourly gross earnings
	monthly average in billion dollars ^{a/}		billion dollars ^{b/}		Retail	Wholesale processed	1947-1949 = 100	thousands ^{c/} dollars
1939	.85	1.09	.66	1.48	47.1	43.3	855	.61
1940	.89	1.15	.69	1.54	47.8	43.6	864	.62
1941	1.02	1.46	.96	2.02	52.2	50.5	957	.65
1942	1.23	1.89	1.12	2.15	61.3	59.1	1,089	.72
1943	1.37	2.07	1.08	2.33	68.3	61.6	1,168	.80
1944	1.49	2.23	.97	2.31	67.4	60.4	1,208	.85
1945	1.60	2.26	1.03	2.34	68.9	60.8	1,199	.88
1946	2.01	2.60	1.60	3.22	79.0	77.6	1,232	.99
1947	2.37	3.19	1.71	3.70	95.9	98.2	1,209	1.12 [1.124] ^{d/}
1948	2.58	3.33	1.81	3.85	104.1	106.1	1,187	1.21
1949	2.58	3.17	1.75	3.65	100.0	95.7	1,155	1.27
1950	2.73	3.37	<u>2.21</u> [2.20] ^{e/}	4.40	101.2	99.8	1,143	1.33
1951	<u>3.00</u> [3.08] ^{f/}	3.84	2.30	4.92	112.6	111.4	1,146	1.43
1952	3.17	3.89	2.30	4.80	114.6	108.8	1,137	1.52
1953	3.26	3.87		4.58	112.8	104.6	1,136	1.61
1954	3.34	3.95		4.46	112.6	105.3	1,102	1.67
1955	3.50	4.03		4.49	110.9	101.7	1,097	1.75
1956	3.69	4.14		4.80	111.7	101.7	1,105	1.83

(Continued on next page.)

Table 3 continued.

Month	Sales		Inventories		Food price indexes		Food and kindred products-- employment and wages	
	Retail food store, all types	Manufacturer food and beverage	Retail food store, all sizes	Manufacturer food and beverage	Retail	Wholesale processed	Manufacturer monthly average employment	Average hourly gross earnings
	billion dollars seasonally adjusted							
<u>1957</u>								
January	3.83	4.56	2.76	4.82	112.8	104.3	1,015	1.92
February	3.82	4.45	2.74	4.87	113.6	103.9	987	1.93
March	3.82	4.33	2.70	4.87	113.2	103.7	989	1.93
April	3.93	4.32	2.73	4.88	113.8	104.3	990	1.93
May	3.93	4.34	2.79	4.87	114.6	104.9	1,004	1.94
June	3.99	4.18	2.81	4.88	116.2	106.1	1,056	1.93
July	4.03	4.32	2.83	4.80	117.4	107.2	1,120	1.91
August	4.06	4.36	2.88	4.81	117.9	106.8	1,194	1.90
September	4.11	4.28	2.86	4.68	117.0	106.5	1,218	1.92
October	4.12	4.33	2.84	4.73	116.4	105.5	1,143	1.94
November	4.03	4.26	2.83	4.73	116.0	106.5	1,073	1.96
December	4.14	4.31	2.78	4.70	116.1	107.4	1,030	1.98
<u>1958</u>								
January ^{g/}						108.8	974	2.00

a/ Monthly averages for each year times 12 roughly equals annual total of dollar sales.

b/ Book value end of year or month, seasonally adjusted.

c/ Monthly average times 12 roughly equals annual total so employed.

(Continued on next page.)

Table 3 continued.

- d/ Revised figures from 1947 are not strictly comparable. Figure in brackets shows 1947 on old basis.
- e/ Retail food store inventories revised to correspond to new procedure outlined in footnote f. Annual data not completed past 1953, although monthly data for 1957 are on new basis. New figures will be available. Old series through 1950 are not comparable and old figure for 1950 shown in brackets.
- f/ Beginning in 1951, new procedures for estimating retail sales directly from blown-up sample rather than linked to Census of Retail Trade base and before; both figures are given for 1951 to show difference.
- g/ Preliminary estimates.

Sources:

- 1939-1956: U. S. Department of Commerce, Office of Business Economics, Business Statistics, 1957 (Washington: Govt. Print. Off., 1957), 344p. (Supplement to Survey of Current Business.)
- 1957 and months: U. S. Department of Commerce, Office of Business Economics, Survey of Current Business (Washington: Govt. Print. Off., February, 1958), 25p. and S-40p.

For further explanation of revisions of data, see explanatory notes in U. S. Department of Commerce, Office of Business Economics, Business Statistics, 1957 (Washington: Govt. Print. Off., 1957), 344p. (Supplement to Survey of Current Business.)

TABLE 4

Harvested Acreage of Asparagus in the United States, by States, 1948-1957

State	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
	acres									
California	63,530	69,150	71,700	70,900	69,400	69,200	72,400	76,700	76,200	75,800
Oregon	600	600	400	400	330	330	380	370	370	460
Washington	9,500	10,000	10,500	10,400	10,600	10,900	11,100	11,500	12,500	14,000
South Carolina	1,000	520	400	300	320	^{a/} --	--	--	--	--
Maryland	1,800	1,600	1,210	1,450	1,730	2,800	3,000	2,900	2,700	2,900
Delaware	1,800	1,600	1,520	1,400	1,250	1,500	1,900	2,220	2,600	2,600
New Jersey	24,500	25,500	26,000	25,500	27,000	28,000	31,900	32,200	32,500	32,800
Pennsylvania	1,960	1,850	1,650	900	800	550	500	800	800	800
Ohio ^{b/}								1,040	1,090	1,030
Michigan	5,700	5,500	6,500	6,700	7,600	8,000	8,600	9,800	10,300	10,600
Illinois	8,700	8,400	9,000	7,900	8,600	8,500	8,500	9,500	9,200	8,600
Iowa	820	760	760	870	730	650	700	700	680	690
Massachusetts	1,650	1,600	1,550	1,500	1,500	1,600	1,500	1,700	1,700	1,700
Other states	1,070	1,660	1,920	2,180	2,600	3,170	3,120	2,380 ^{c/}	2,720 ^{c/}	3,060 ^{c/}
Total, United States	123,630	128,740	133,110	130,400	132,460	135,200	143,600	151,810	153,360	155,040

a/ Dashes indicate no acreage reported.

b/ Ohio included in "other states" through 1954 (1952, 900; 1953, 1,000; 1954, 1,000) all for fresh market. "Other states" category from 1955 on is now "processing" only.

c/ Processing only. Includes New York, Indiana, Wisconsin, Minnesota, Missouri, Nebraska, Virginia, Arkansas, and Idaho.

Sources: U. S. Agricultural Marketing Service, Crop Reporting Board, Vegetables--Processing--Acreage, Production, and Value of Principal Commercial Crops by State, With Comparisons and Vegetables--Fresh Market--Acreage, Production, and Value of Principal Commercial Crops by State, With Comparisons (Washington, D. C.: 1948-1957). (Annual reports.) Previously under slightly different titles.

TABLE 5

Harvested Acreage of Asparagus in California, by Counties, 1948-1957

County	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957
	acres									
Santa Clara	--a/	--	--	--	30	130	200	200	--	--
Stanislaus	--	--	--	--	--	--	--	--	--	--
Fresno, Merced	1,080	860	460	310	80	50	50	50	50	50
Tulare	810	880	870	830	850	890	1,010	980	1,090	980
Madera	760	380	70	60	--	--	--	--	--	--
Kern	300	300	440	440	480	370	200	210	100	100
Kings							70	70	70	70
San Luis Obispo,										
Santa Barbara	120	50	50	10	--	--	--	--	--	--
Santa Cruz										60
Los Angeles	1,200	900	710	570	450	600	400	380	250	370
Orange	260	300	300	300	300	320	380	450	500	680
Riverside	10	30	20	20	20	50	50	60	90	250
San Diego	20	20	20	20	50	50	80	180	220	380
San Bernardino	--	--	--	--	--	--	--	--	--	--
Imperial	70	70	80	180	180	250	250	240	320	420
Delta district	59,970	63,360	68,680	68,160	66,960	66,490	69,710	73,880	73,510	72,440
Total, California	64,530	69,150	71,700	70,900	69,400	69,200	72,400	76,700	76,200	75,800

a/ Dashes indicate no acreage reported.

Source: U. S. Agricultural Marketing Service, Fruit and Vegetable Division; California Department of Agriculture, Bureau of Market News, cooperating, Marketing California Asparagus (Stockton: 1948-1957). (Annual reports.)

TABLE 6

Plantings, Acreage, and Pack of Asparagus in California,^{a/} 1939-1958

Calendar year	Plowed out	Planted	Acres to cut	Inten- tions to plant	Estimated produc- tion	Canned pack
	1	2	3	4	5	6
	acres				boxes	cases
1939	5,224	5,113	73,252	7,566	4,213,595	1,849,345
1940	8,747	5,820	76,253	4,464	4,456,455	2,181,515
1941	5,312	7,443	72,076	10,428	4,302,270	1,578,018
1942	11,606	7,492	71,268	11,058	4,218,735	2,258,046
1943	7,968	2,371	68,204	2,503	4,099,725	2,070,760
1944	6,594	2,784	67,690	3,998	4,098,595	2,436,385
1945	4,490	5,795	63,293	5,990	4,055,680	2,479,952
1946	5,946	7,716	61,543	9,869	4,110,210	2,783,460
1947	5,953	12,211	61,299	12,830	3,989,140	2,258,650
1948	7,685	6,530	62,921	7,567	4,028,270	1,983,201
1949	4,402	2,756	67,773	4,242	4,051,872	2,625,134
1950	3,634	3,865	70,518	4,922	4,158,802	2,566,279
1951	5,185	8,375	69,798	12,120	4,264,075	2,528,165
1952	9,260	9,904	68,370	8,157	4,527,380	2,274,615
1953	6,593	8,288	67,896	8,675	4,694,115	2,280,330
1954	4,198	4,034	71,236	5,879	4,920,470	2,977,549 ^{b/}
1955	2,734	5,536	75,390	2,731	4,678,005	4,144,636 ^{b/}
1956	8,703	6,917	76,957	1,640	--c/	3,276,569
1957	6,115	7,306	73,674	2,924	--	3,586,878
1958	--	--	73,728	3,954	--	--

^{a/} Data for area north of the Tehachapis only.^{b/} Pack totals in actual cases for 1954 and 1955 previously published have been converted to the basis of 303's, 300's, and 1-Talls as 24 to the case and 8-Z as 48 to the case in order to show comparable figures.^{c/} Dashes indicate no data available.

Source: Cannery League of California, information bulletin (San Francisco: February 13, 1958) and corresponding issues for earlier years. Data from surveys based on the amount of asparagus available from April 1 to June 30, inclusive, white or regular asparagus cut 7 inches in length in boxes of 48 pounds net weight. All green canning asparagus and all shipping asparagus are reduced to this common denominator.

TABLE 7

Utilization of California Harvested Asparagus Production, 1938-1957

Calendar year	California total production	Utilization		
		Fresh market	Canned	Frozen
	1	2	3	4
thousand pounds, farm weight equivalent				
1938	135,400	46,080	87,024	2,296
1939	149,556	54,336	89,894	5,326
1940	177,240	69,480	106,358	1,402
1941	149,260	73,320	74,779	1,161
1942	159,920	56,280	100,683	2,957
1943	156,864	68,784	82,723	5,357
1944	163,688	56,208	105,015	2,465
1945	141,764	35,424	95,248	11,092
1946	177,430	48,930	104,960	23,540
1947	159,780	61,740	95,631	2,409
1948	135,200	49,140	81,831	4,229
1949	161,960	46,260	109,666	6,034
1950	177,880	61,980	103,694	12,206
1951	157,010	46,350	99,729	10,931
1952	153,930	56,250	84,535	13,145
1953	149,490	57,750	72,203	19,537
1954	152,030	48,510	89,451	14,069
1955	191,800	42,800	133,428	15,572
1956	182,900	61,700	92,506	28,794
1957	189,500	76,300	93,174	20,026

Sources:

Col. 1: Sum of columns 2, 3, and 4. U. S. Agricultural Marketing Service, Fruit and Vegetable Division; California Department of Agriculture, Bureau of Market News, cooperating, Marketing California Asparagus (Stockton: 1948-1957). (Annual reports.)

Col. 2: 1938-1945--U. S. Bureau of Agricultural Economics, Commercial Truck Crops for Fresh Market--Acreage, Production, and Value--With Comparisons (Washington, D.C.). (Annual reports.) Converted to farm weight on basis of 24 pounds per crate.

1946-1955--U. S. Bureau of Agricultural Economics, Commercial Truck Crops for Fresh Market--Acreage, Production, and Value--With Comparisons (Washington, D. C.). (Annual reports.) Converted to farm weight on basis of 30 pounds per crate for years prior to 1955.

1955-1957--U. S. Agricultural Marketing Service, Crop Reporting Board, Vegetables--Processing--Acreage, Production, and Value of Principal Commercial Crops by State, With Comparisons and Vegetables--Fresh Market--Acreage, Production, and Value of Principal Commercial Crops by State, With Comparisons (Washington, D. C.: 1956-57). (Annual reports.) (Continued on next page.)

TABLE 1			
Production of Agricultural Products in the United States, 1900-1950			
Year	Value	Quantity	Price
1900	1,000,000,000	1,000,000,000	1.00
1910	1,500,000,000	1,500,000,000	1.00
1920	2,000,000,000	2,000,000,000	1.00
1930	2,500,000,000	2,500,000,000	1.00
1940	3,000,000,000	3,000,000,000	1.00
1950	3,500,000,000	3,500,000,000	1.00
1960	4,000,000,000	4,000,000,000	1.00
1970	4,500,000,000	4,500,000,000	1.00
1980	5,000,000,000	5,000,000,000	1.00
1990	5,500,000,000	5,500,000,000	1.00
2000	6,000,000,000	6,000,000,000	1.00
2010	6,500,000,000	6,500,000,000	1.00
2020	7,000,000,000	7,000,000,000	1.00
2030	7,500,000,000	7,500,000,000	1.00
2040	8,000,000,000	8,000,000,000	1.00
2050	8,500,000,000	8,500,000,000	1.00
2060	9,000,000,000	9,000,000,000	1.00
2070	9,500,000,000	9,500,000,000	1.00
2080	10,000,000,000	10,000,000,000	1.00
2090	10,500,000,000	10,500,000,000	1.00
2100	11,000,000,000	11,000,000,000	1.00

1900-1950: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 1950. (Based on 1900-1949 data.)

1950-1959: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 1959. (Based on 1950-1959 data.)

1960-1969: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 1969. (Based on 1960-1969 data.)

1970-1979: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 1979. (Based on 1970-1979 data.)

1980-1989: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 1989. (Based on 1980-1989 data.)

1990-1999: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 1999. (Based on 1990-1999 data.)

2000-2009: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2009. (Based on 2000-2009 data.)

2010-2019: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2019. (Based on 2010-2019 data.)

2020-2029: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2029. (Based on 2020-2029 data.)

2030-2039: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2039. (Based on 2030-2039 data.)

2040-2049: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2049. (Based on 2040-2049 data.)

2050-2059: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2059. (Based on 2050-2059 data.)

2060-2069: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2069. (Based on 2060-2069 data.)

2070-2079: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2079. (Based on 2070-2079 data.)

2080-2089: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2089. (Based on 2080-2089 data.)

2090-2099: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2099. (Based on 2090-2099 data.)

2100-2109: U.S. Bureau of Agricultural Economics, *Commodity Statistics*, 2109. (Based on 2100-2109 data.)

Table 7 continued.

Col. 3: Data from Table 8 minus column 4.

Col. 4: Western Frozen Food Processors, California Fruit and Frozen Vegetable Pack for 1950-1957 (San Francisco). Processed. (Annual issues.) Converted from frozen pack weight to farm weight by factor of 2.174, 1938-1954. The factor 2.0 is used for 1955 and later years.

1. The first part of the report is a general introduction.

2. The second part of the report is a detailed description of the work done during the year. This part is divided into three sections: (a) a description of the work done in the laboratory, (b) a description of the work done in the field, and (c) a description of the work done in the office.

TABLE 8

Season's Average Price^{a/} Paid to California Growers
by Cannery for California Asparagus and California
Production for Commercial Processing, 1933-1957

Season	Price of white	Price of all green	Production for processing
	1	2	3
	weighted average price; cents per pound		tons
1933	2.380	2.090	54,160
1934	3.220	3.580	50,040
1935	3.640	4.258	56,740
1936	3.830	4.473	59,110
1937	4.250	5.404	51,190
1938	3.160	4.237	44,660
1939	3.369	4.334	47,610
1940	4.060	5.270	53,880
1941	5.000	6.092	37,970
1942	5.530	6.500	51,820
1943	7.050	8.127	44,040
1944	7.230	8.141	53,740
1945	7.719	8.692	53,300
1946	8.390	9.520	64,250
1947	6.760	7.350	49,020
1948	8.040	8.820	43,030
1949	8.630	9.293	57,850
1950	9.545	10.601	57,950
1951	11.591	12.707	55,330
1952	9.439	9.902	48,840
1953	8.389	9.361	45,870
1954	10.700	11.364	51,760
1955	12.107	12.817	74,500
1956	10.630	10.935	60,600
1957	8.128	8.968	56,600

a/ Obtained by dividing total amount spent by all cannery for purchase of asparagus by total number of pounds purchased.

Sources:

Cols. 1 and 2: Cannery League of California, information bulletin (San Francisco: February 13, 1958) and corresponding issues for earlier years.

Col. 3: U. S. Agricultural Marketing Service, Crop Reporting Board, Vegetables--Processing--Acreage, Production, and Value of Principal Commercial Crops by State, With Comparisons and Vegetables--Fresh Market--Acreage, Production, and Value of Principal Commercial Crops by State, With Comparisons (Washington, D. C.: 1948-1957). (Annual reports.)

Source: U.S. Bureau of Economic Analysis, "Gross Domestic Product and Related Accounts, 1929-1959," (Washington, D.C., 1960).

Year	Value	Value	Value
1929	10.1	10.1	10.1
1930	10.1	10.1	10.1
1931	10.1	10.1	10.1
1932	10.1	10.1	10.1
1933	10.1	10.1	10.1
1934	10.1	10.1	10.1
1935	10.1	10.1	10.1
1936	10.1	10.1	10.1
1937	10.1	10.1	10.1
1938	10.1	10.1	10.1
1939	10.1	10.1	10.1
1940	10.1	10.1	10.1
1941	10.1	10.1	10.1
1942	10.1	10.1	10.1
1943	10.1	10.1	10.1
1944	10.1	10.1	10.1
1945	10.1	10.1	10.1
1946	10.1	10.1	10.1
1947	10.1	10.1	10.1
1948	10.1	10.1	10.1
1949	10.1	10.1	10.1
1950	10.1	10.1	10.1
1951	10.1	10.1	10.1
1952	10.1	10.1	10.1
1953	10.1	10.1	10.1
1954	10.1	10.1	10.1
1955	10.1	10.1	10.1
1956	10.1	10.1	10.1
1957	10.1	10.1	10.1
1958	10.1	10.1	10.1
1959	10.1	10.1	10.1

Source: U.S. Bureau of Economic Analysis, "Gross Domestic Product and Related Accounts, 1929-1959," (Washington, D.C., 1960).

Source: U.S. Bureau of Economic Analysis, "Gross Domestic Product and Related Accounts, 1929-1959," (Washington, D.C., 1960).

Source: U.S. Bureau of Economic Analysis, "Gross Domestic Product and Related Accounts, 1929-1959," (Washington, D.C., 1960).

TABLE 9

Canned Asparagus Pack in the United States by States and by Types of Asparagus, 1951-1957

State		1951	1952	1953	1954	1955	1956	1957
		actual cases ^{a/}						
California:	Total	2,528,165	2,274,615	2,280,330	2,977,548	4,144,635	3,276,569	3,586,878
	White	1,099,261	1,277,943	1,345,466	1,355,720	2,167,504	1,992,700	1,983,109
	Green	1,428,904	996,672	934,864	1,621,828	1,977,131	1,283,869	1,603,769
Maryland and Delaware:	Green					227,526	259,970	304,052
New Jersey:	Green	671,716	666,961	443,992	650,744	730,422	641,023	725,413
Illinois:	Green	523,339	429,610	563,993	518,579	529,059	603,816	606,245
Michigan:	Green	493,796	559,615	504,609	530,675	685,709	719,522	797,638
Washington and Oregon:	Green	354,400	388,464	396,077	513,416	524,876	510,937	509,507
Other states:	Green	397,638	276,925	299,966	420,908	227,091	233,235	239,475
United States:	Total	4,969,054	4,596,190	4,489,267	5,611,870	7,069,318	6,245,072	6,769,208
	White	1,099,261	1,277,943	1,345,466	1,355,720	2,167,504	1,992,700	1,983,109
	Green	3,869,793	3,318,247	3,143,801	4,256,150	4,901,814	4,252,372	4,786,099

^{a/} Reported on basis of 303's, 300's, and 1-Talls as 24 to the case and 8-Z as 48 to the case.Source: Cannery League of California, Special Memo Bulletin (San Francisco: annual issues).

TABLE 10

California Canned Asparagus: Cannery Pack, on Hand, and Shipments
1938-39 to 1957-58

Season (March-February)	Cannery on hand, March 1	Pack	Total supply available	Shipments
			actual cases	
1938-39	576,355	1,796,377	2,372,732	1,922,497
1939-40	450,235	1,849,345	2,299,580	2,126,211
1940-41	173,369	2,181,515	2,354,884	1,555,520
1941-42	399,364	1,578,018	1,977,382	1,670,151
1942-43	307,231	2,258,046	2,565,277	2,344,783
1943-44	220,454	2,070,760	2,291,254	2,114,039
1944-45	177,215	2,436,385	2,613,600	2,461,679
1945-46	151,921	2,479,952	2,631,873	2,505,605
1946-47	126,268	2,783,460	2,909,728	2,720,000
1947-48	189,000	2,258,650	2,448,000	2,274,000
1948-49	174,132	1,983,201	2,157,333	2,027,342
1949-50	129,991	2,625,134	2,755,125	2,498,067
1950-51	257,058	2,566,279	2,823,337	2,424,448
1951-52	398,889	2,528,165	2,927,054	2,349,637
1952-53	577,417	2,274,615	2,852,032	2,333,884
1953-54	518,148	2,280,330	2,798,478	2,620,851
1954-55 ^{a/}	177,627	2,977,549	3,155,176	2,815,738
1955-56 ^{a/}	339,438	4,144,636	4,484,074	3,233,331
1956-57	1,250,743	3,276,569	4,527,312	3,436,158
1957-58	1,091,154	3,586,878	4,678,032	

^{a/} In the table above, figures previously published for the March 1, 1955 and 1956 carry-overs and the 1954 and 1955 packs have been converted to the basis of 300's, 303's, and 1-Talls as 24 to the case and the 8-Z as 48 to the case in order to show comparable figures.

Source: Cannery League of California, Special Memo Bulletin (San Francisco: annual issues).

TABLE 11

Canned Asparagus: United States Canners' Carry-over, Pack, and Shipments, 1949-50 to 1957-58

Marketing year ^{a/}	United States canners' carry-over ^{b/}	United States pack ^{c/}	United States total supply	United States canners' stock ^{d/}	United States canners' shipments ^{e/}	United States distributors' ^{f/} stocks ^{g/}
			thousands	of actual cases		
1949-50	157	4,490	4,647	726	3,921	1,145
1950-51	309	4,651	4,960	1,057	3,903	1,477
1951-52	506	4,969	5,475	1,520	3,955	1,242
1952-53	866	4,596	5,462	2,121 ^{h/}	3,341 ^{h/}	733
1953-54	938	4,489	5,427	1,386 ^{h/}	4,041 ^{h/}	687
1954-55	389	5,612	6,001	1,314	4,687	805
1955-56	669	7,069	7,738	2,987	4,751	779
1956-57	1,803	6,245	8,048	2,834	5,214	718
1957-58	1,844	6,769	8,613	2,961	5,652	681

^{a/} March-April.^{b/} March 1.^{c/} Pack is given for March of the earlier year.^{d/} January 1.^{e/} March 1 to January 1.^{f/} Wholesale and multiunit retail organizations.^{g/} January 1.^{h/} December 1 rather than January 1.Source: U. S. Bureau of the Census, Canned Food Report (quarterly issues).

TABLE 12

United States and California Asparagus Packs: Canned and Frozen

Year	United States canned pack	California canned pack	United States frozen pack	California frozen pack
	thousand cases, 24 No. 2 basis		thousand pounds,	frozen weight
1947	3,833			
1948	3,620		18,321	1,945
1949	4,418		18,422	2,776
1950	4,533		22,309	5,615
1951	4,795		23,562	5,028
1952	4,354	2,331	25,460	6,046
1953	4,018	2,119	32,945	8,987
1954	4,978	2,713	25,780	6,472
1955	6,248	3,709	28,669	7,786
1956	5,422	2,886	37,674	14,397
1957 ^{a/}		3,165	30,111	10,013

^{a/} Estimated.

Sources:

Col. 1: National Canners Association Annual Report.

Col. 2: Cannery League of California, Special Memo Bulletin (San Francisco: annual issues).Cols. 3 and 4: U. S. Agricultural Marketing Service, Fruit and Vegetable Division; California Department of Agriculture, Bureau of Market News, cooperating, Marketing California Asparagus (Stockton: 1948-1957). (Annual reports.)

PERCENTAGE OF TOTAL FISHING EFFORT BY VESSEL TYPE AND FISHING GEAR

Year	Motor Vessels	Sail Vessels	Other Vessels	Total
1950	100.0	0.0	0.0	100.0
1951	100.0	0.0	0.0	100.0
1952	100.0	0.0	0.0	100.0
1953	100.0	0.0	0.0	100.0
1954	100.0	0.0	0.0	100.0
1955	100.0	0.0	0.0	100.0
1956	100.0	0.0	0.0	100.0
1957	100.0	0.0	0.0	100.0
1958	100.0	0.0	0.0	100.0
1959	100.0	0.0	0.0	100.0
1960	100.0	0.0	0.0	100.0
1961	100.0	0.0	0.0	100.0
1962	100.0	0.0	0.0	100.0
1963	100.0	0.0	0.0	100.0
1964	100.0	0.0	0.0	100.0
1965	100.0	0.0	0.0	100.0
1966	100.0	0.0	0.0	100.0
1967	100.0	0.0	0.0	100.0
1968	100.0	0.0	0.0	100.0
1969	100.0	0.0	0.0	100.0
1970	100.0	0.0	0.0	100.0

Source: Bureau of Census

Continued

Percentages are based on total fishing effort.

Percentages are based on total fishing effort, excluding the effort of the U.S. Navy and U.S. Coast Guard.

U.S. Navy and U.S. Coast Guard fishing effort is reported in the U.S. Navy and U.S. Coast Guard fishing effort report, which is published annually by the U.S. Navy and U.S. Coast Guard. The U.S. Navy and U.S. Coast Guard fishing effort report is published in the U.S. Navy and U.S. Coast Guard fishing effort report, which is published annually by the U.S. Navy and U.S. Coast Guard.

TABLE 13

California Canned Asparagus Packs, 1952-1957

Year	White				Green				Total White and green
	Spears-- including salad points	Cut-- including soup cuts	Cut-- tips removed	Total	Spears-- including salad points	Cut-- including soup cuts	Cut-- tips removed	Total	
	cases of 24 No. 2's								
1952	907,218	70,607	294,464	1,315,581	969,544	139,343	141,716	1,015,198	2,330,779
1953	884,623	70,607	294,464	1,249,694	588,385	139,343	141,716	869,444	2,119,138
1954	907,218	104,154	237,679	1,249,051	969,544	273,455	220,711	1,463,710	2,712,761
1955	1,425,311	152,304	425,583	2,003,198	1,203,474	274,351	227,963	1,705,788	3,708,986
1956	1,225,407	125,767	445,940	1,797,114	784,714	174,261	129,546	1,088,521	2,885,635
1957	1,093,011	129,603	583,892	1,806,506	931,896	227,003	199,846	1,358,745	3,165,251

a/ Dashes indicate no data available.

Sources:

1952--U. S. Agricultural Marketing Service, Fruit and Vegetable Division; California Department of Agriculture, cooperating, Marketing California Asparagus, 1957 Season (Stockton: January, 1958), p. 38, Table 33.

1953-1957--Canners League of California, Special Mimeo Bulletin (San Francisco: annual issues).

TABLE 14

California Canned Asparagus: Cannery Stocks

Date	White				Green				Total white and green
	Spears-- including salad points	Cut-- including soup cuts	Cut-- tips removed	Total	Spears-- including salad points	Cut-- including soup cuts	Cut-- tips removed	Total	
	cases of 24 No. 2's								
February 1, 1954 ^{a/}	168,978	8,649	7,375	185,002	54,504	35,455	10,636	100,595	285,597
March, 1954	94,026	4,145	5,084	103,255	25,847	22,013	7,855	55,715	158,970
January 1, 1955	141,397	35,170	7,440	184,007	207,088	103,954	62,548	373,590	557,597
March, 1955	63,680	30,790	2,906	97,376	96,576	93,319	30,280	220,175	317,551
January 1, 1956 ^{b/}	595,944	117,605	51,521	765,070	635,590	177,182	109,628	922,400	1,687,470
January 1, 1957	678,909	39,081	9,258	727,248	541,140	105,065	39,932	686,137	1,413,385
March, 1957	474,171	26,404	1,789	502,364	376,973	64,541	23,994	465,508	967,872
January 1, 1958	541,569	2,168	23,326	567,063	540,959	101,988	63,256	706,203	1,273,266
March, 1958	337,771	1,462	4,847	344,080	324,657	70,477	27,898	423,032	767,112

^{a/} Data not given for January 1, 1954.

^{b/} March, 1956 not available.

Source: Cannery League of California, Special Mimeo Bulletin (San Francisco: annual issues).

TABLE 15

F.O.B. Prices of California Canned Asparagus, 1957-58
(Published Quotations)

Period	G.T. and W.		All green	
	No. 300 fancy spears, large	Picnic mammoth, large	No. 300 fancy spears, mammoth large	Picnic mammoth, large
	dollars per dozen			
April 27, 1957	2.75	2.35	3.30	2.75
May 4, 1957-				
November 16, 1957	2.75	2.35	3.20-3.30	2.75
November 23, 1957-				
March 8, 1958	2.75	2.35	3.17½-3.25	2.75

Source: California Fruit News (Weekly issues).

TABLE IV

TABLE IV (Cont'd) (continued from previous page)

No.	Name	1950-51		Total
		1950-51	1951-52	
100	100-100-100	100.0	100.0	200.0
101	101-101-101	101.0	101.0	202.0
102	102-102-102	102.0	102.0	204.0
103	103-103-103	103.0	103.0	206.0
104	104-104-104	104.0	104.0	208.0
105	105-105-105	105.0	105.0	210.0
106	106-106-106	106.0	106.0	212.0
107	107-107-107	107.0	107.0	214.0
108	108-108-108	108.0	108.0	216.0
109	109-109-109	109.0	109.0	218.0
110	110-110-110	110.0	110.0	220.0

(Source: Bureau of Economic Warfare, Washington, D.C.)

TABLE 16

Asparagus: Estimated United States Per-Capita Consumption

Year	Fresh (commercial)a/	Cannedb/	Frozenc/
farm weight in pounds			
1919	.5		
1920	.5	.53	
1921	.5	.40	
1922	.5	.40	
1923	.6	.53	
1924	.7	.53	
1925	.8	.53	
1926	1.0	.53	
1927	1.0	.53	
1928	1.1	.66	
1929	1.0	.66	
1930	1.2	.53	
1931	1.3	.53	
1932	1.4	.53	
1933	1.3	.66	
1934	1.4	.66	
1935	1.2	.53	
1936	1.4	.66	
1937	1.2	.66	.06
1938	1.1	.66	.10
1939	1.3	.79	.06
1940	1.5	.79	.10
1941	1.5	.79	.10
1942	1.3	.93	.08
1943	1.2	.79	.12
1944	1.2	.79	.20
1945	1.1	.53	.28
1946	1.1	1.32	.24
1947	1.1	.79	.22
1948	.9	.93	.28
1949	.9	.79	.24
1950	.9	.93	.24
1951	.8	.93	.26
1952	.8	.93	.30
1953	.8	1.06	.32
1954	.7	.93	.34
1955	.7	.93	.32
1956d/	.7	1.06	.32

(Continued on next page.)

[illegible]

Table 16 continued.

- a/ Excluded quantities produced in home gardens. Civilian consumption only beginning 1941.
- b/ Excludes soups and baby food. In years, 1920-1942, calendar-year data are derived from pack-year data by combining proportional parts of each pack year involved. Civilian consumption beginning 1941. Conversion factor used to convert net canned weight to farm weight basis was 1.3245.
- c/ Civilian consumption only beginning 1941. Conversion factor used to convert frozen weight to farm weight basis was 2.0.
- d/ Preliminary indications.

Source: U. S. Agricultural Marketing Service, Supplement for 1956 to Consumption of Food in the United States, 1909-1952 (Washington: Govt. Print. Off., 1957), 120p. (Agricultural Handbook No. 62.)

Table 10 continued

a. Estimated mean...	...in two...	...of the...	...of the...	...
b. Estimated mean...	...of the...	...of the...	...of the...	...
c. Estimated mean...	...of the...	...of the...	...of the...	...
d. Estimated mean...	...of the...	...of the...	...of the...	...
e. Estimated mean...	...of the...	...of the...	...of the...	...
f. Estimated mean...	...of the...	...of the...	...of the...	...
g. Estimated mean...	...of the...	...of the...	...of the...	...
h. Estimated mean...	...of the...	...of the...	...of the...	...
i. Estimated mean...	...of the...	...of the...	...of the...	...
j. Estimated mean...	...of the...	...of the...	...of the...	...
k. Estimated mean...	...of the...	...of the...	...of the...	...